

# Kostrate® EDGE HRM

Thermoplastic

Plastic Selection Group, Inc.

## Message:

Kostrate® EDGE HRM is a Thermoplastic product. It can be processed by extrusion, extrusion blow molding, or injection molding and is available in North America.

General Information			
Features	Terpolymer		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow			ASTM D955
Blow Molded	0.30 to 0.60	%	
Injection Molded	0.30 to 0.50	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	220	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength (Yield)	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact (3.18 mm)	> 4.52	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	76.7	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	91.0	%	ASTM D1003
Haze			ASTM D1003
Blow Molded	0.50	%	
Injection Molded	1.0	%	
Additional Information	Nominal Value	Unit	
Dishwasher Test			
Blow Molded	3.0E+2	Cycles	
Injection Molded	3.0E+2 to 5.0E+2	Cycles	

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